

# Addendum No. 2

State of Hawaii  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
ENGINEERING DIVISION  
P.O. Box 373  
Honolulu, Hawaii 96809

**ADDENDUM NO. 2  
TO  
JOB NO. F80B662A  
NA PALI COAST STATE WILDERNESS PARK  
KALALAU SECTION, ROCKFALL MITIGATION PHASE 2  
KAUAI, HAWAII**

March 11, 2010

The items listed hereinafter are hereby made a part of the contract for the above project and shall govern the work, taking precedence over previously issued plans and specifications governing the items mentioned.

**PLANS**

The following is a change to plan sheet C-2:

CONSTRUCTION NOTES – **REPLACE** in entirety, note (9). The Contractor shall submit a health and safety plan specific to this project prior to commencing work.

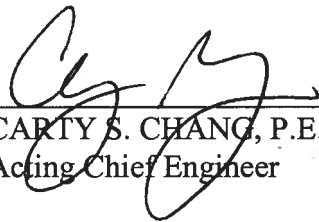
**REQUEST FOR PROPOSAL**, Section XI, AGREEMENT EXECUTION AND TERM OF AGREEMENT, page 16/17 – **REPLACE** in entirety with –

The Successful Offeror receiving the award shall be required to execute a formal written agreement, which shall be returned to the DLNR within ten (10) calendar days after the Offeror has received the agreement for execution. The agreement will contain a special condition as follows:

Contractor understands that the contract involves hazards that may result in personal harm to its employees. These hazards include but are not limited to loose rock, falling rock, avalanche, and slippery ground conditions. Contractor also understands that access to the site is limited to access by helicopter or land and that these types of access carry with them risk that could also result in serious personal injury. Contractor assumes the risk of all dangerous conditions in and about the work site and all risk associated with access to the work site, on its behalf and on behalf of its employees, and it waives all claims for loss or damage by it or its employees against the State and agrees to indemnify and defend the State against any claims for such loss or damage, as provided in section 7 of the General Conditions.

Upon execution of the agreement by the DLNR, a Notice to Proceed will be issued by the DLNR. DLNR reserves the right to delay the Notice to Proceed for a period of one (1) year after the date that the Proposals were received, with no additional costs incurred. The anticipated timeframe for the term (start and completion) of the agreement is as indicated in the Schedule of Events. The DLNR reserves the option to extend the Agreement upon mutual agreement by both parties.

ENGINEERING DIVISION



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CARTY S. CHANG, P.E.  
Acting Chief Engineer

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# Addendum No. 1



State of Hawaii  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
ENGINEERING DIVISION  
P.O. Box 373  
Honolulu, Hawaii 96809

**ADDENDUM NO. 1**  
**TO**  
**JOB NO. F80B662A**  
**NA PALI COAST STATE WILDERNESS PARK**  
**KALALAU SECTION, ROCKFALL MITIGATION PHASE 2**  
**KAUAI, HAWAII**  
March 9, 2010

The items listed hereinafter are hereby made a part of the contract for the above project and shall govern the work, taking precedence over previously issued plans and specifications governing the items mentioned.

**PLANS**

The following are changes to plan sheet C-2:

**CONSTRUCTION NOTES – ADD (13).** During period of construction, motorized sea vessels of any kind operated by the contractor or his agents including ships, barges, boats, etc. shall not be permitted to land on shores of Na Pali Coast Wilderness Park, Kalalau Section.

**ROCK SLOPE SCALING NOTES – REPLACE note (4).** The Contractor shall exercise great care to protect and restore the waterfall and stream area. Remove all scaled material fallen at the waterfall, stream area, and the beach to an on-site receiving location as identified by the engineer using suitable means like manually carrying or by bagging and helicopter lifting. Lining shall be utilized to cover the stream area and locations identified by the contract documents to facilitate debris removal and restoration of stream and beach. Debris from scaling littered on beach sand shall be removed. All removal, disposal, and restoration related work shall be performed at no additional cost to the state. Contractor shall provide daily photographs of the project site including the waterfall area and the stream. Photographs shall be neatly and chronologically arranged and submitted to the state on weekly basis.

**REPLACE note (14).** Rockfall areas shall be scaled and secured prior to the start of any rock removal work. Where Contractor requires presence of site inspector at the site, Contractor shall submit a detailed schedule of work and shall allow at least five (5) working days advance notice for inspector to make necessary travel arrangements.

**PRE-BID CONFERENCE** attendance sheet, slides presented and minutes of the conference are attached.

ENGINEERING DIVISION

  
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CARTY S. CHANG, P.E.  
Acting Chief Engineer

# ATTENDANCE SHEET

NA PALI COAST STATE WILDERNESS PARK KALALAU SECTION,  
ROCKFALL MITIGATION, PHASE 2, KAUAI, HAWAII

4 March 2010

	Name	Email	Phone
1	ARDALAN NIKOU	ardalan.nikou@aecom.com	(808)529-7223
2	Andrew Salmaso	Andrew@Lawod.biz	514-232-8525
3	Jeremy Ingram	Jeremy@ITE-TechParkConstruction.com	754-0263
4	CLIFF TILLOTSON	CLIFFT604@aol.com	864-0428
5	Alvin Satogata	alvin.n.satogata@hawaii.gov	587-0271
6	Russell Kuma	russell.j.kuma@hawaii.gov	587-0305
7	Tobias Koehler	tobias.koehler@aecom.com	356-5306
8	Roger Masuoka	roger.h.masuoka@hawaii.gov	587-0276
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## **PARK RULES AND PERMIT CONDITIONS**

Park rules are designed to help you and others have an enjoyable visit while protecting the cultural and natural resources. Always observe and adhere to posted signs in the parks. In addition, you can help us by observing the following rules.

### **PARK RULES:**

- **ALCOHOLIC BEVERAGES:** The use or possession of alcoholic beverages is prohibited.
- **FIREWORKS AND FIREARMS:** Use or possession of fireworks, firecrackers, explosives, firearms and other weapons is prohibited.
- **FIRES:** Fires are allowed only in the fireplaces and grills designated by State Parks. Portable stoves or warming devices may be used in designated camping and picnicking areas unless otherwise prohibited. Dump live coals only in designated ash pits or receptacles.
- **GENERATORS:** Operation or use of any portable electric generator is prohibited, except with a special use permit.
- **PETS** and other animals are prohibited in campgrounds and cabins.
- **NUDITY** is prohibited.
- **VEHICLES:** Drive and park motor vehicles only on designated roads and parking areas provided or posted for such usage.
- **WASTE DISPOSAL:** Place all waste in provided trash cans only and pack out all trash from wilderness parks.
- **NOISE:** Do not operate or use any audio device, television or musical instrument in such a manner and at such times so as to create excessive noise or nuisance.
- **WILDLIFE:** Leave the wildlife and their habitat undisturbed except where hunting and fishing is permitted subject to all applicable laws and regulations.
- **PLANTS:** Leave all plant life undisturbed. Do not cut trees for firewood. Where permitted, reasonable quantities of fruits and seeds may be gathered for personal use.
- **NATURAL AND CULTURAL RESOURCES:** Leave all geological, historical, and archaeological features undisturbed.

### **PLEASE BE AWARE:**

- There are no lifeguards in most State Parks areas. Swimming, wading and other water activities shall be at your own risk.
- Do not leave valuables unattended. Lock your car. Do not leave valuables even in locked cars.
- Persons should use good judgment while using the parks and facilities. Security service is not provided.

### **PERMIT CONDITIONS:**

- Names of all persons 3 years & older must be listed on camping & lodging (cabin) permits. Permit shall be shown to any authorized personnel upon request at the park. All persons over 18 listed on the permit shall show valid identification to authorized personnel upon request.
- Permits may not be transferred.
- Permits shall be revoked for violation of park rules, permit conditions, or any applicable law.
- Permittee shall be responsible for clean-up of the area used.
- Permittee shall be liable for repair, replacement or payment for any damages.
- Campers or lodgers named on this permit may not use camping or lodging facilities at the same park within 30 days of the check-out date on this permit.
- The permittee waives any and all claims he may have against the State of Hawaii and its respective officers, agents and employees, and agrees to defend, hold harmless and indemnify the State of Hawaii and its respective officers, agents and employees, from any suits, actions and claims arising out of or in any way connected with the activities permitted under the permit.
- Permittee shall comply with other conditions that may be imposed by the Department.
- Where these provisions conflict with the Special Conditions of the permit, the Special Conditions shall prevail. See box on front of permit for special conditions.
- **SUSPECTED VIOLATIONS:** Report suspected law and park rule violations to enforcement officers. On all islands, call 643-DLNR (643-3567), no area code required. For emergencies, dial 911.

### **REFUND POLICY:**

Permit fees, less cancellation charges and processing fee, will be refunded or credited only if request is conducted on-line, in person at one of the District offices, or received by mail at permit issuing office. In all cases, requests must be received at least 15 days before the check-in date shown on permit.

Voluntary Pre-Bid Meeting for JN – F80B662A  
Na Pali Coast State Wilderness Park  
Kalalau Section, Rockfall Mitigation Phase 2, Kauai, Hawaii

Date / Time : 4 March 2010 / 9:00 AM

Attendees: See attached Attendance Sheet

Items discussed:

- Request for Proposal (RFP) submittal date: 1 April 2010.
- Handouts included – set of Briefing Slides and Park Rules and Permit Conditions
- Possibility for contractor to stockpile equipment/materials at the NASA site on Kokee State Park.
- Kalalau Beach section of the Na Pali Coast Wilderness Park will be closed to park users during the construction period.
- No debris from the rockfall mitigation will enter the ocean.
- As part of our permitting process, we described only helicopter access to Kalalau Beach. There will be NO beach landing or access from the ocean.
- Receiving area detail – Kukui trees and Noni trees to remain.

Questions / Answers

1. Question: Do we need any permits to visit the project site.

Answer: YES. A special use permit (SUP) will be required for hovering or landing, and to get the SUP, a copy of the insurance certificate from the helicopter service will need to be submitted with the application. Please coordinate with Russell Kumabe, DLNR / State Parks.

2. Question: Please clarify Note 14 on sheet C-2. This is a high cost item for temporary protection.

Answer: This note will be “MODIFIED”. **Look for an update in an addendum.**

3. Question: Request rock scaling inspection approved by sections?

Answer: We will work with the contractor to have inspectors on site. A work schedule will be coordinated.

4. Question: Can you describe “Total Removal” of Block-1 / Block-2?

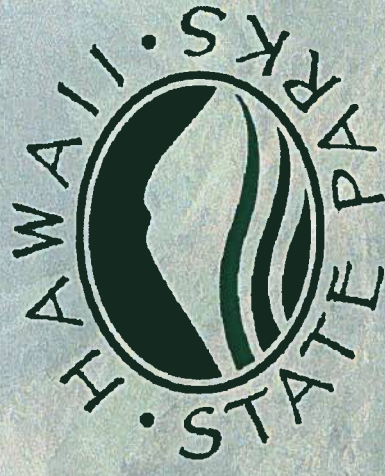
Answer: Contractor shall bid according to the Bid Documents which is based on the removal of the block down to the plane which runs through perimeter of the bottom fracture. The intent is to remove any weak portions of the blocks.

5. Question: Rock Slope Scaling Notes, #4. Who will be taking and providing the daily photos for the project site.

Answer: The inspectors will take pictures for the project. The “Waterfall Area” is the area of concern. We will need to clarify the actions required by the contractor, being they are on site daily as compared to inspectors periodically in and out. **Look to the addendum for clarification.**

Doc: kalalauprebidmtg





# Kalalau Beach Rockfall Mitigation Pre Bid Meeting

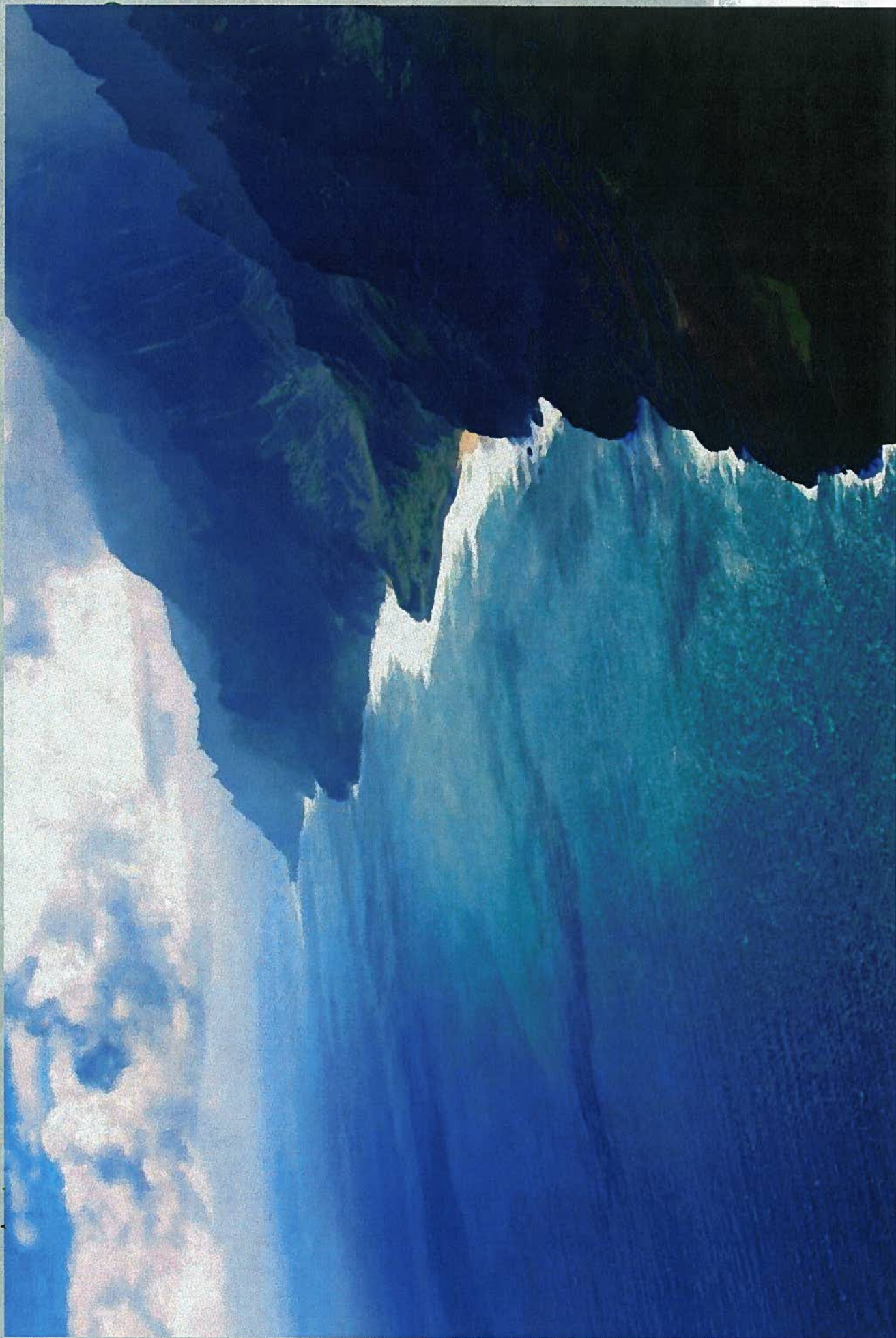
March 4, 2010

Napali Coast State Wilderness Park, Kauai  
Department of Land and Natural Resources  
Division of State Parks & Engineering Division





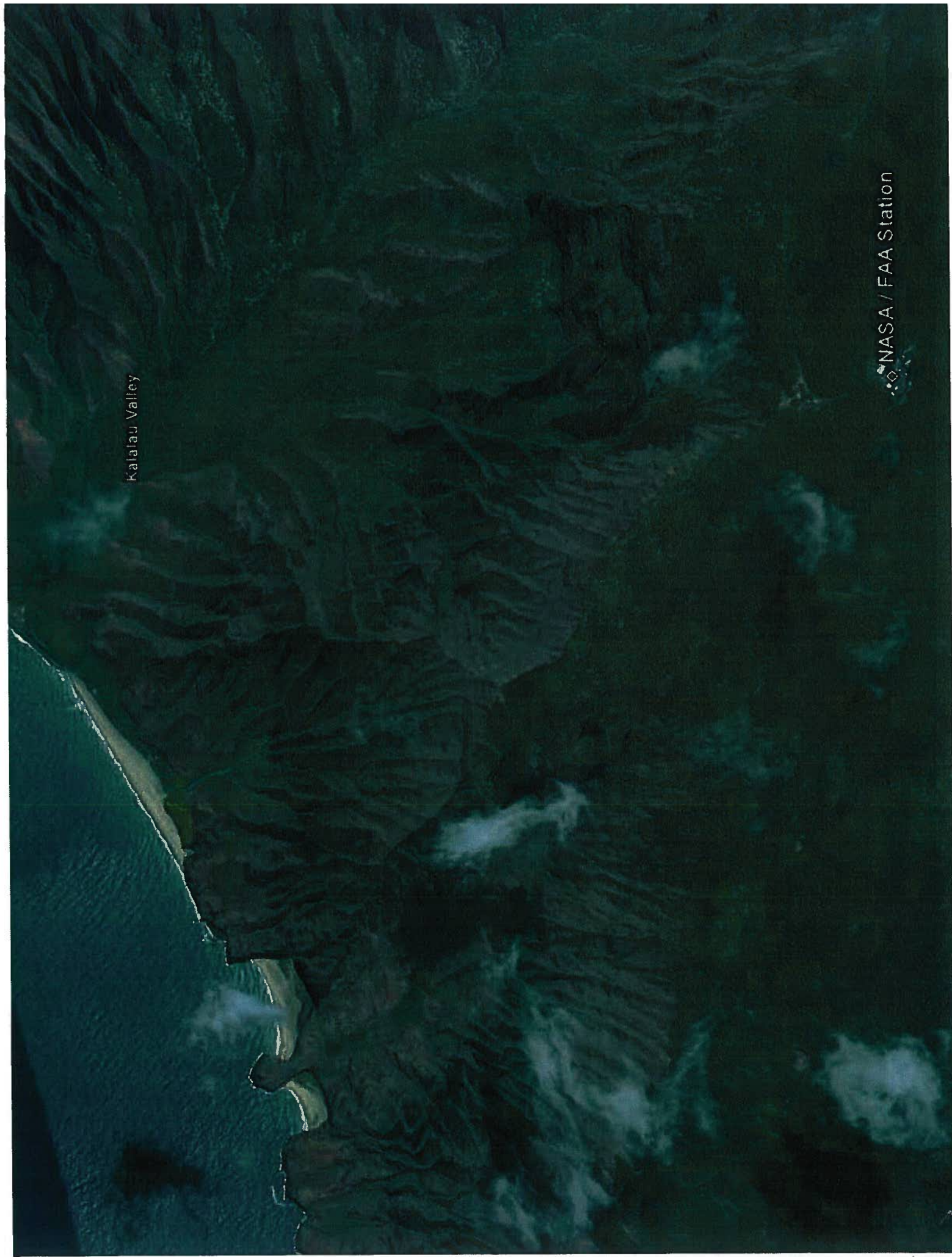






Kalalau Valley

NASA / FAA Station







# Key Locations

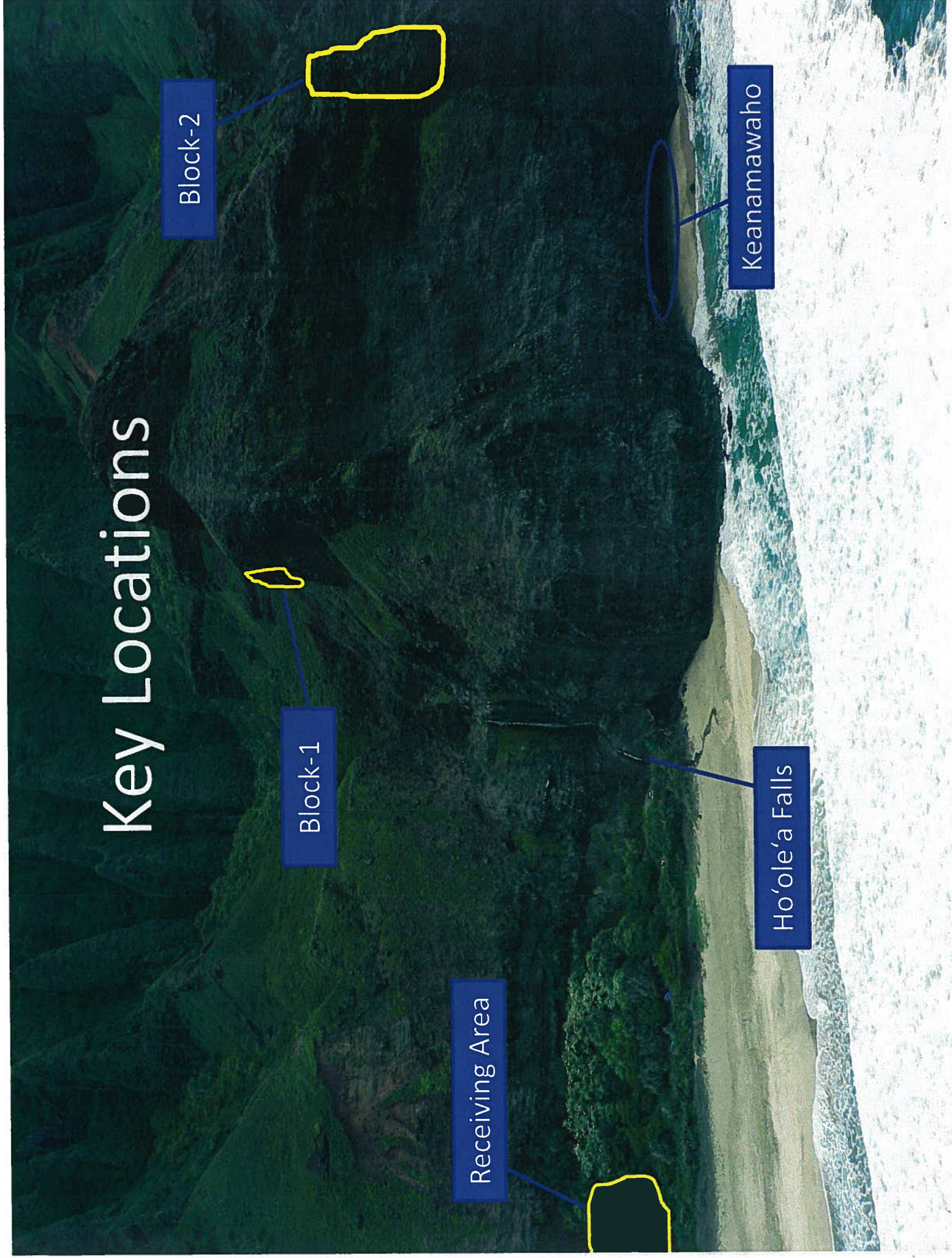
Block-2

Block-1

Receiving Area

Keanamawaho

Ho'ole'a Falls





# Key Locations



Block-1

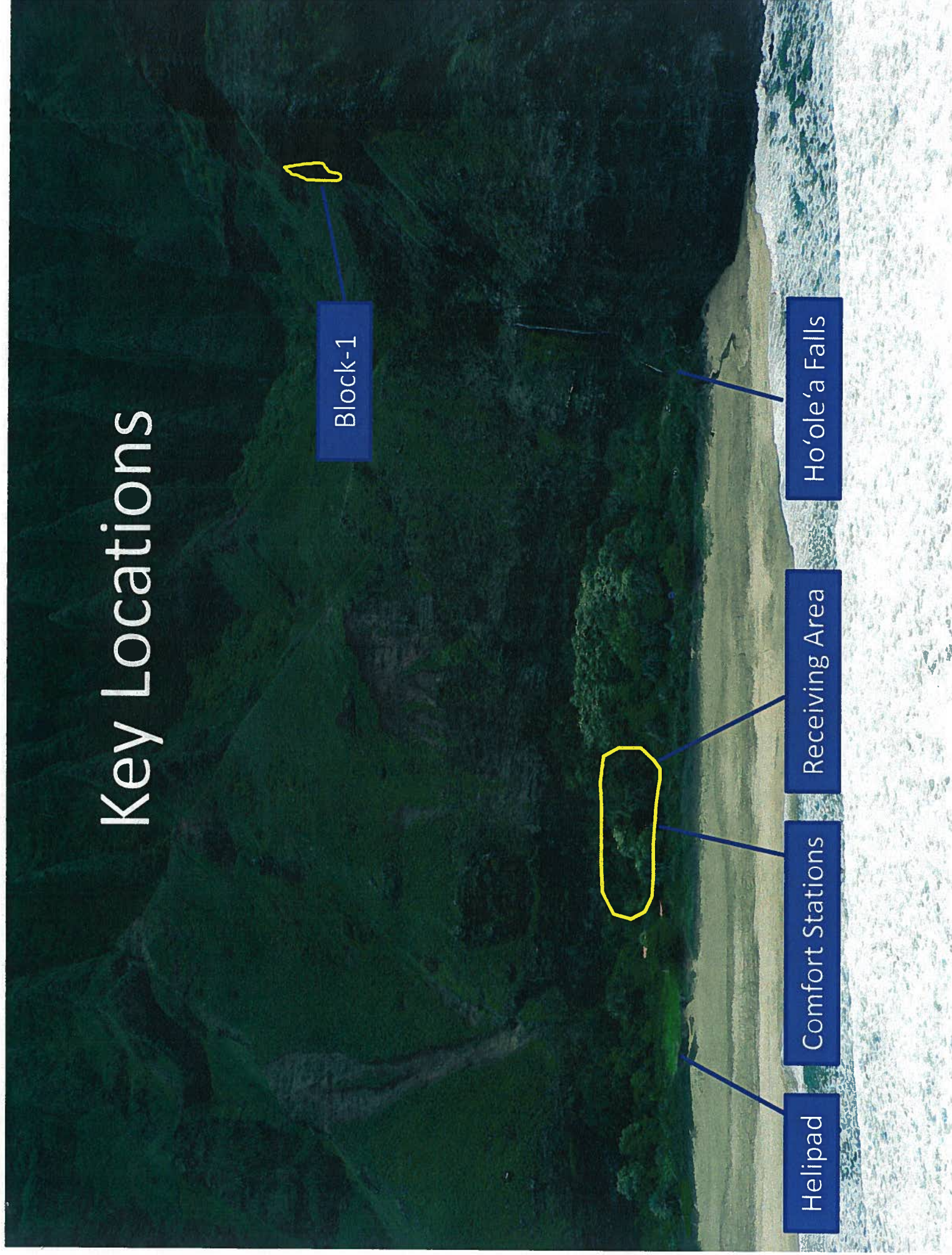


Helipad

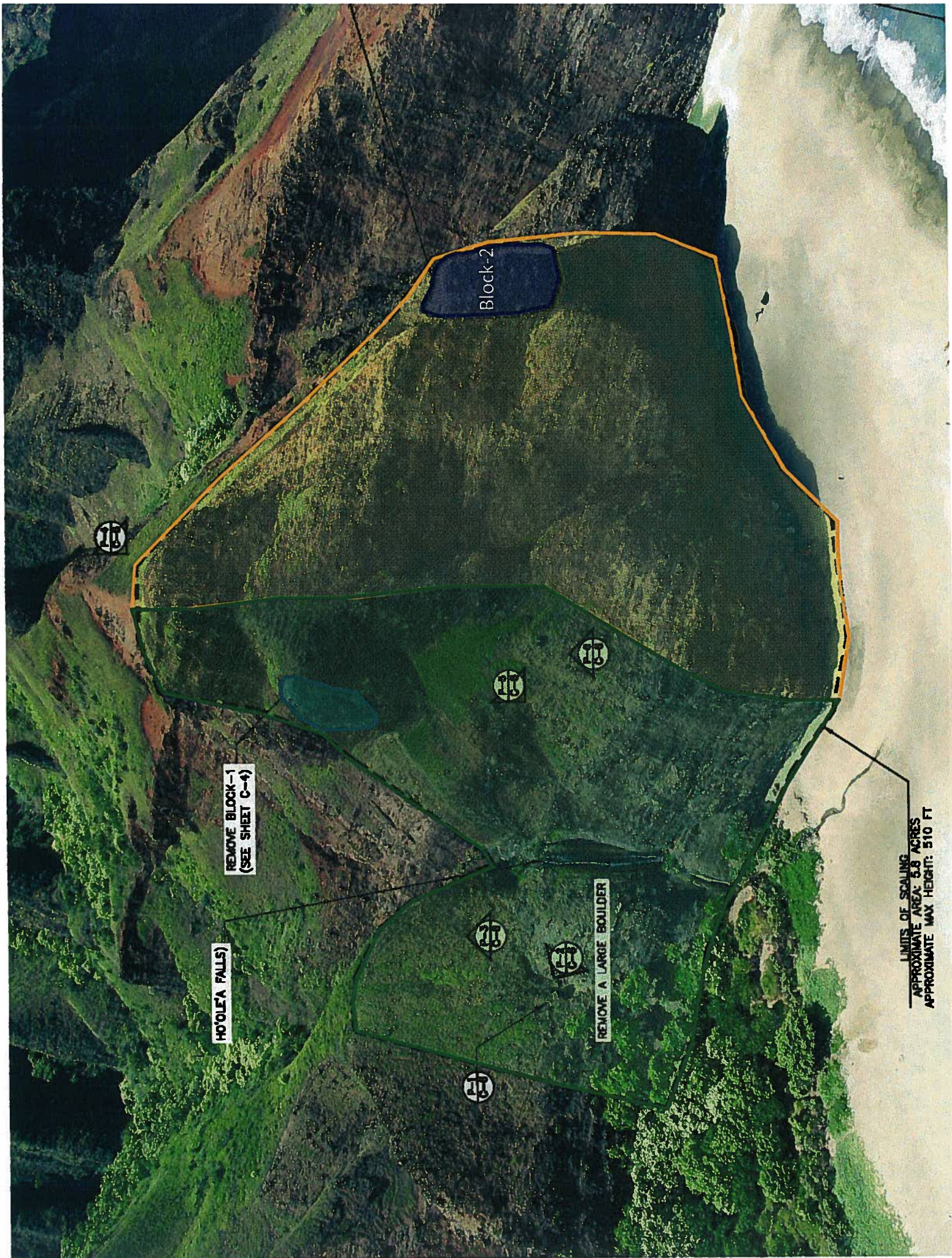
Comfort Stations

Receiving Area

Ho'ole'a Falls







Block-2

10

11

12

HŌ'OLE'A FALLS

REMOVE BLOCK-1  
(SEE SHEET C-4)

13

14

REMOVE A LARGE BOULDER

15

LIMITS OF SCALING  
APPROXIMATE AREA: 5.8 ACRES  
APPROXIMATE MAX HEIGHT: 510 FT





# Project Summary

- Methods
  - Manual removal of loose rocks and blocks
- Estimated Project Cost: \$600K
- Permitting Effort: Federal, State, County
- Project Duration
  - $\approx$  60 days during summer/fall months





# Project Objectives

- Ensure public safety for park users
- Address highest risk areas
  - Beach & Waterfall Areas
- Comply with Federal, State and County regulatory processes and requirements







# Methods

- Install temporary pipe and geotextile fabric matting
- Dislodge blocks using airbags
- Knock loose rocks and debris using crow bars & 'o'o
- Gather & bag rocks by hand
- Remove and deposit rocks to receiving areas
- Disassemble pipe and fabric matting



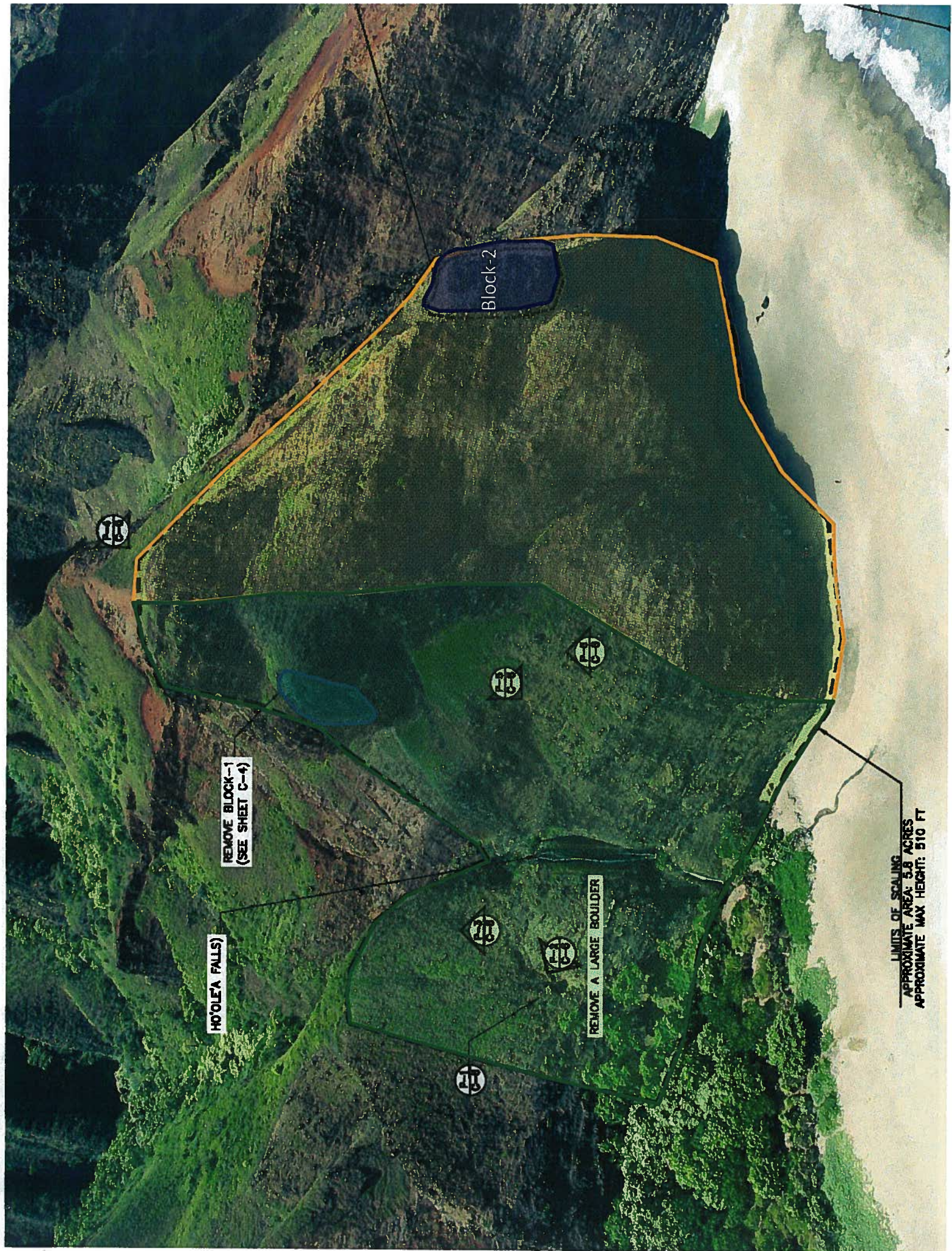


## Proposed Project Timeline



- February 2010 – Go out for bids
- March 4, 2010 – Pre-Bid Meeting
- April 1, 2010, 2pm – Due Date for Proposals
- May 15, 2010 – Notice of Award
- July 2010 – Permits in place
- September 8, 2010 – Notice to Proceed
- November 2010 – Project Completion





Block-2

REMOVE BLOCK-1  
(SEE SHEET C-4)

HO'OLE'A FALLS

REMOVE A LARGE BOULDER

LIMITS OF SCALING  
APPROXIMATE AREA: 5.8 ACRES  
APPROXIMATE MAX HEIGHT: 510 FT













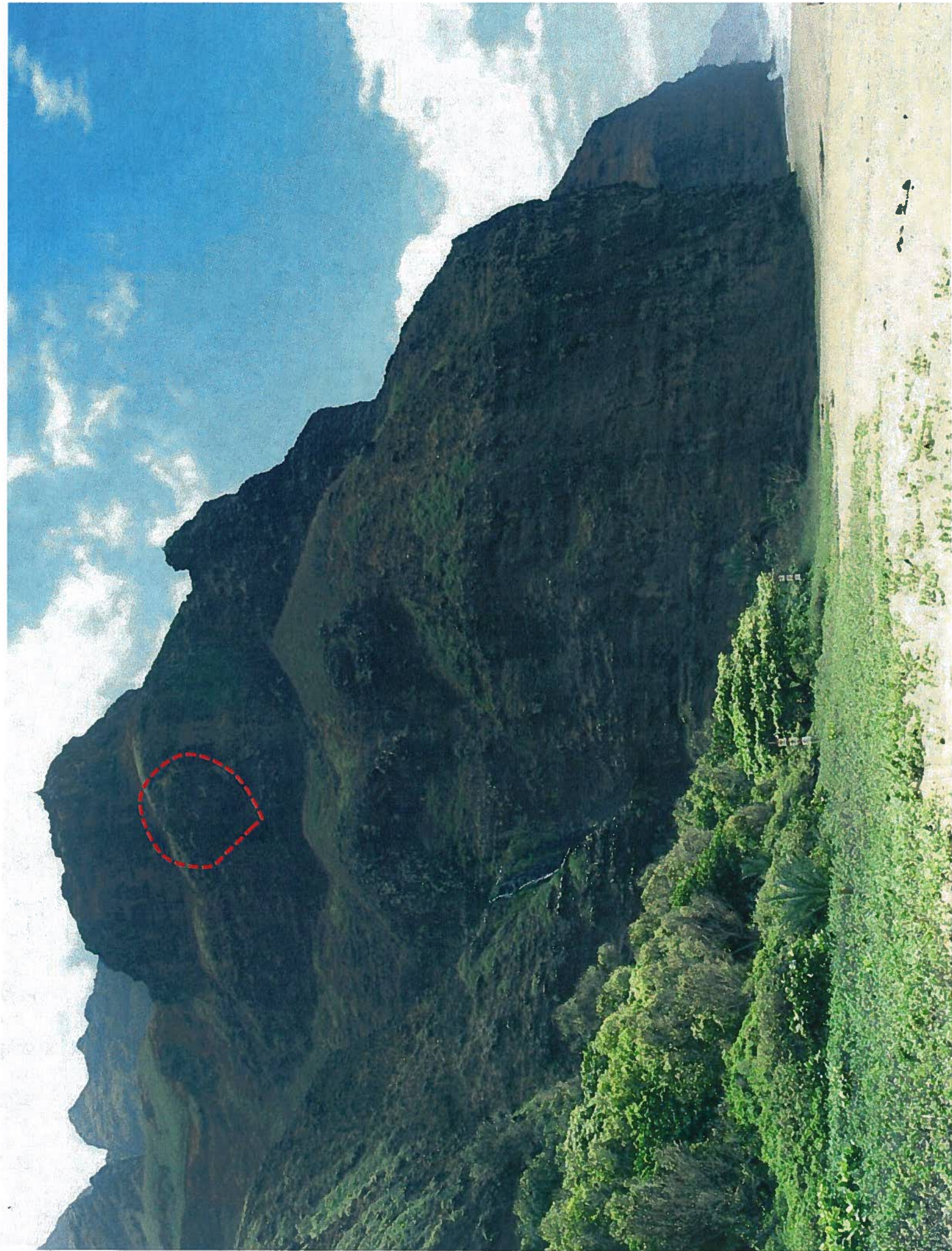




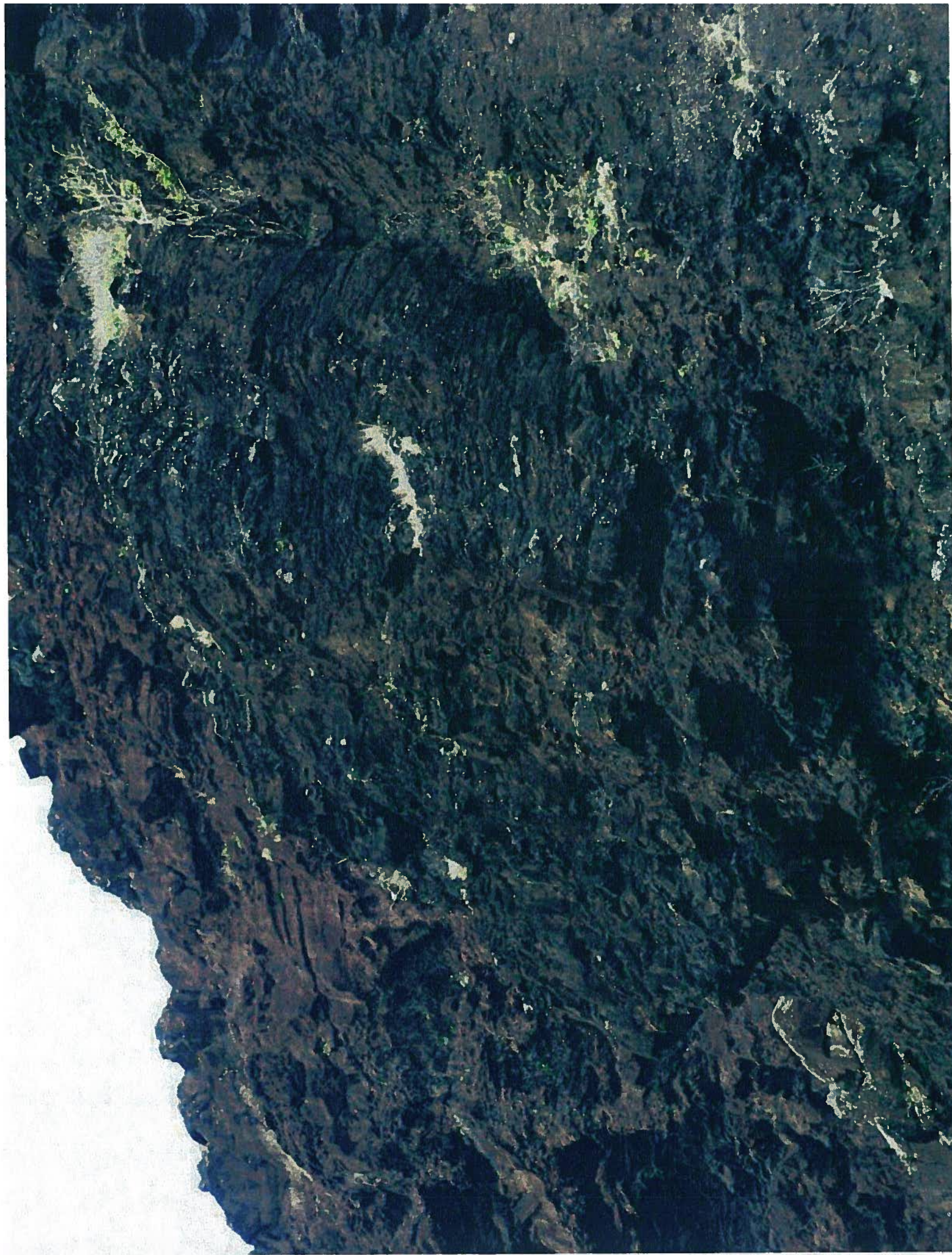












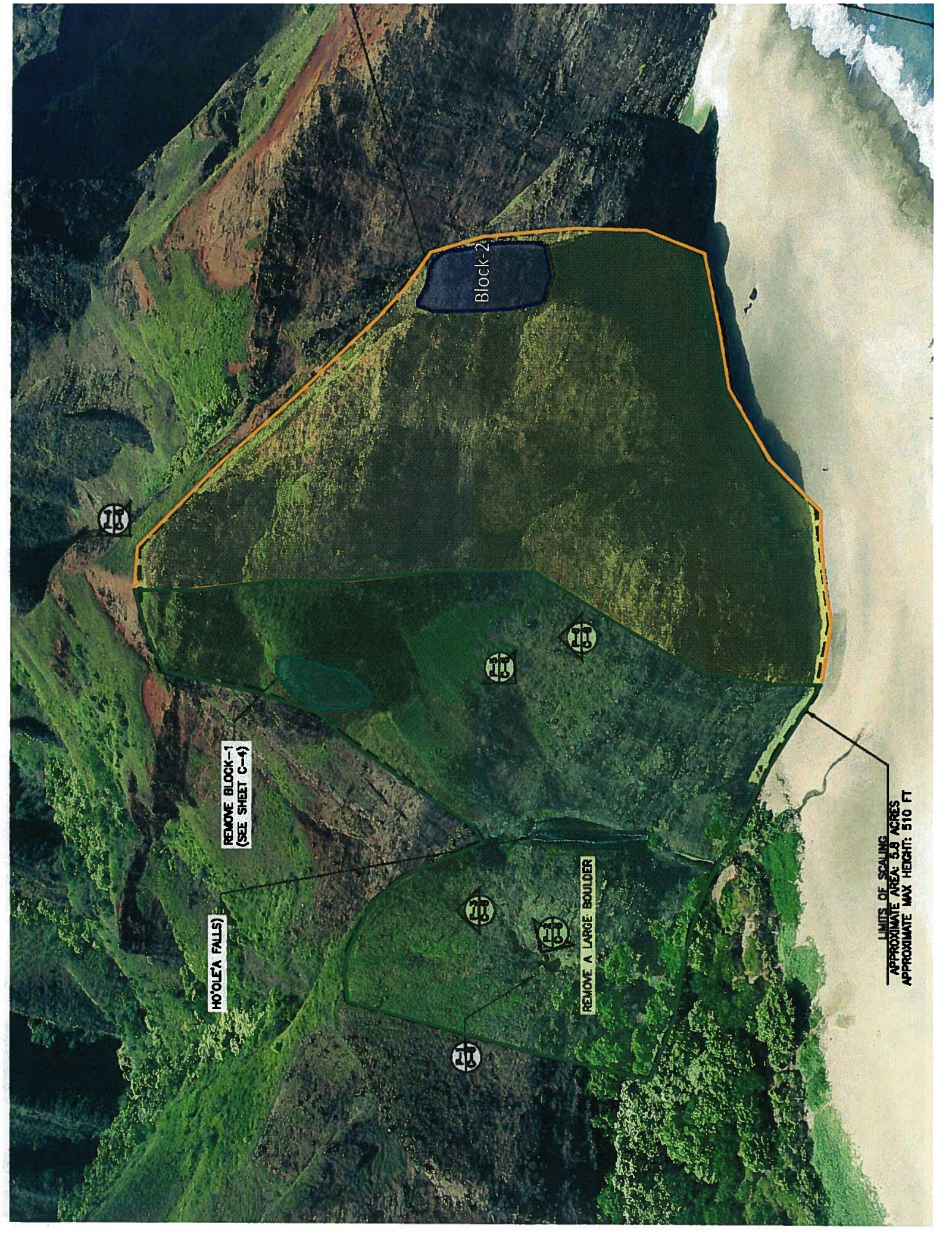












Block-2

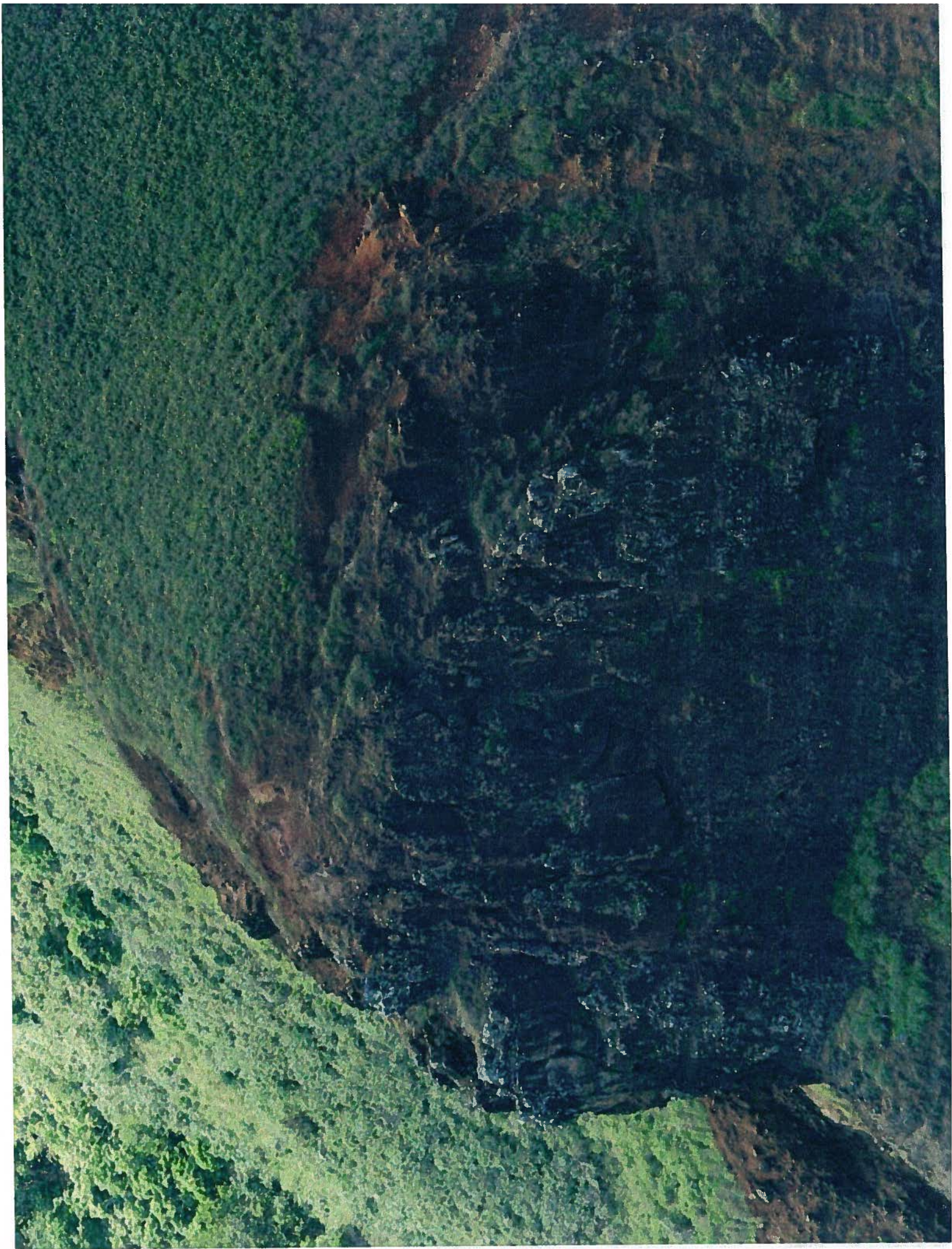
REMOVE BLOCK-1  
(SEE SHEET C-4)

HO'OLE'A FALLS

REMOVE A LARGE BOULDER

LIMITS OF SCALING  
APPROXIMATE AREA: 5.8 ACRES  
APPROXIMATE MAX HEIGHT: 510 FT





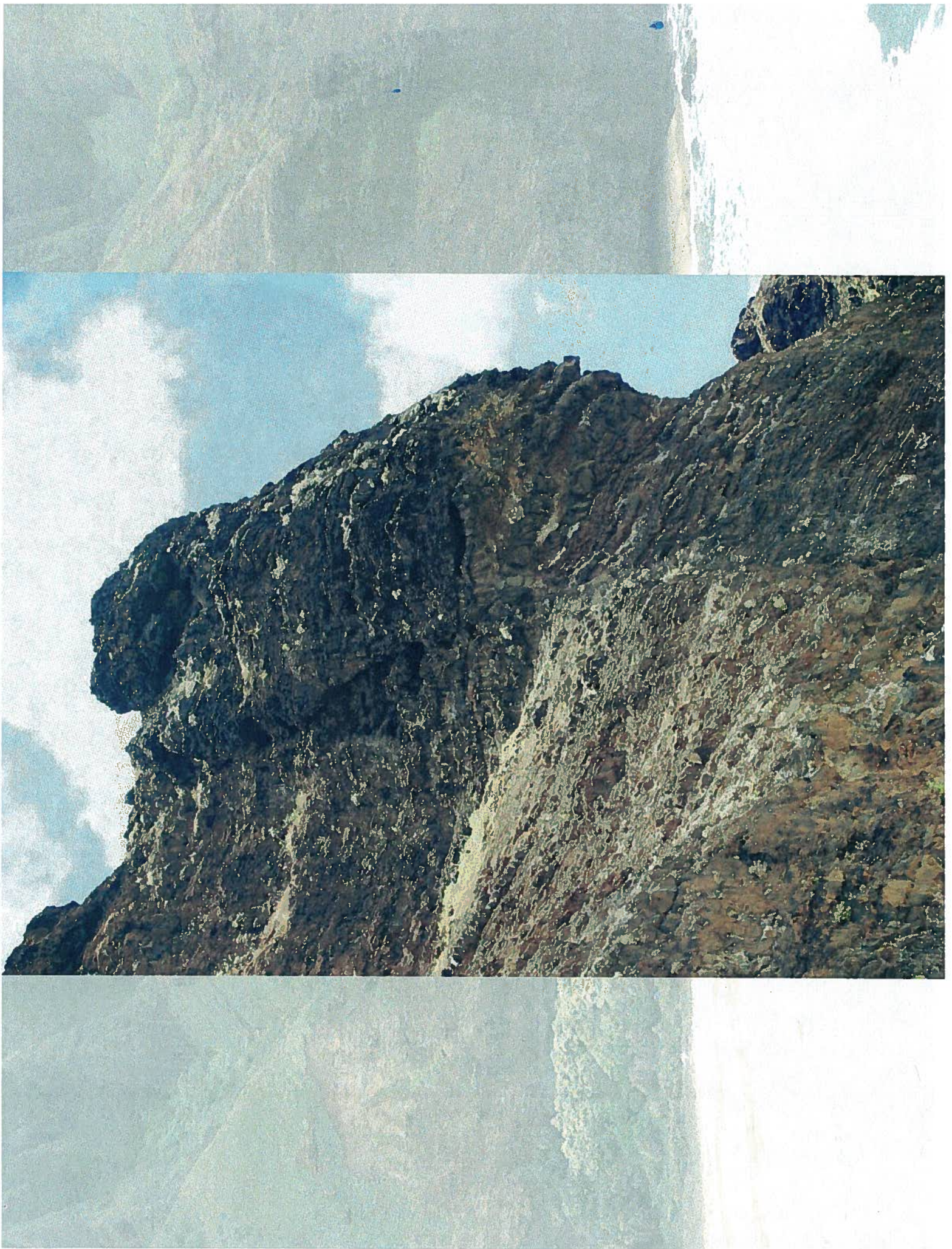








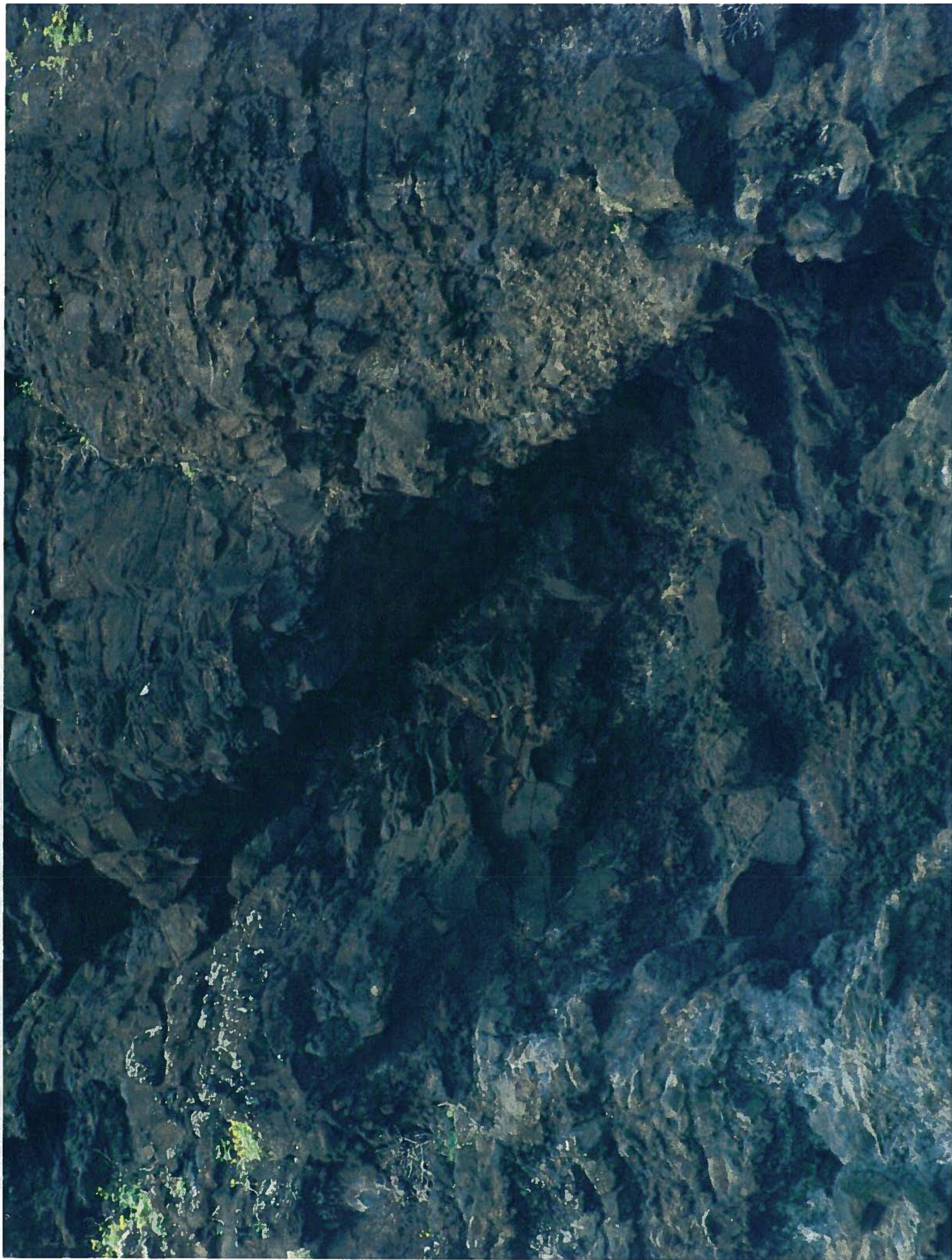


























# Key Locations



Helipad

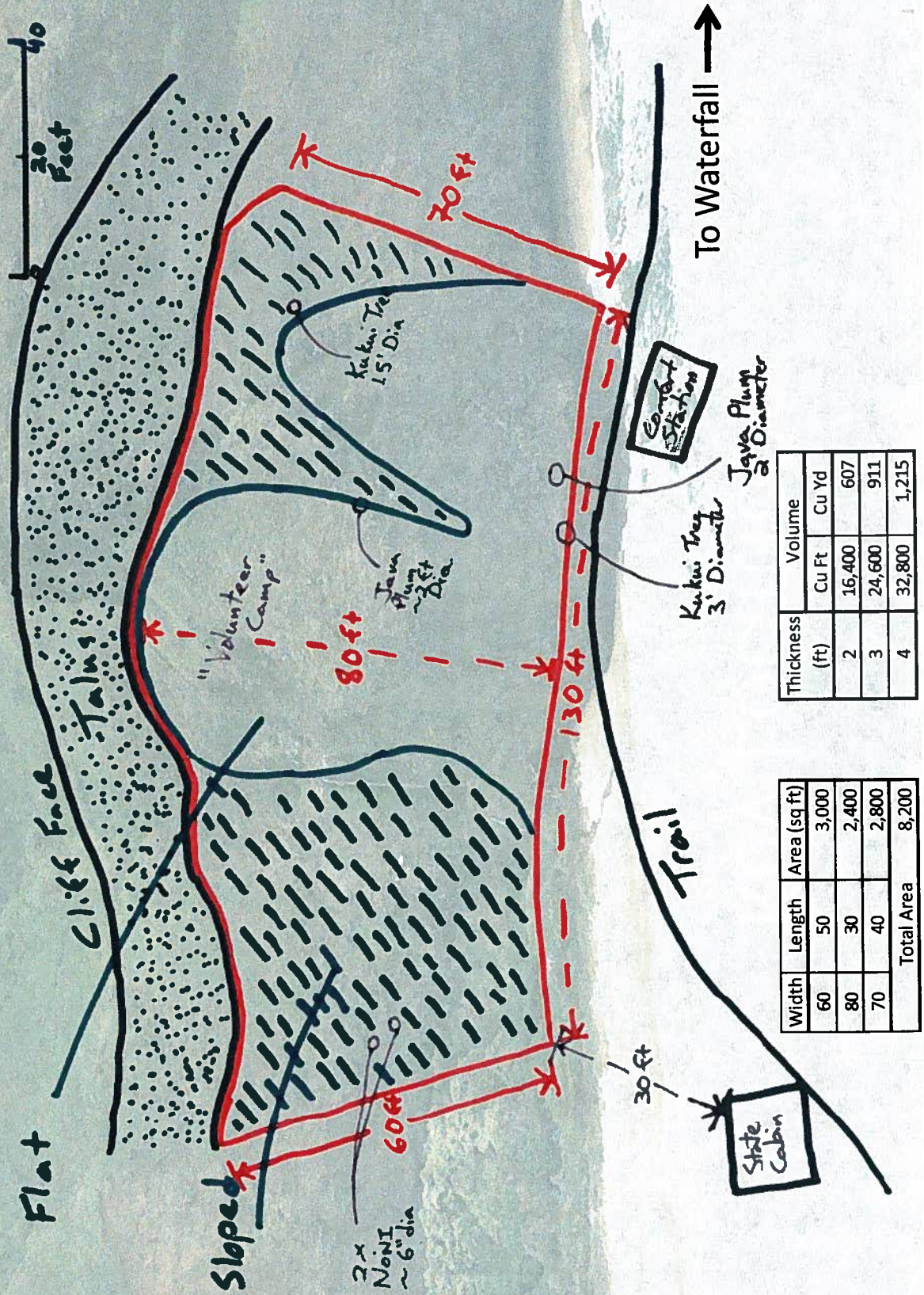
Comfort Stations

Receiving Area





# Receiving area detail



Width	Length	Area (sq ft)
60	50	3,000
80	30	2,400
70	40	2,800
Total Area		8,200

Thickness (ft)	Volume	
	Cu Ft	Cu Yd
2	16,400	607
3	24,600	911
4	32,800	1,215



# Receiving Area







# Environmental Impacts & Avoidance

- Water
  - Stream
  - Ocean
- Soil Disturbance
  - Cliff face
  - Drop zone
  - Streambed
  - Receiving Area
- Vegetation
  - Cliff face
  - Streambed
  - Receiving Area
- Fauna
  - Birds
  - Turtles & Monk Seals

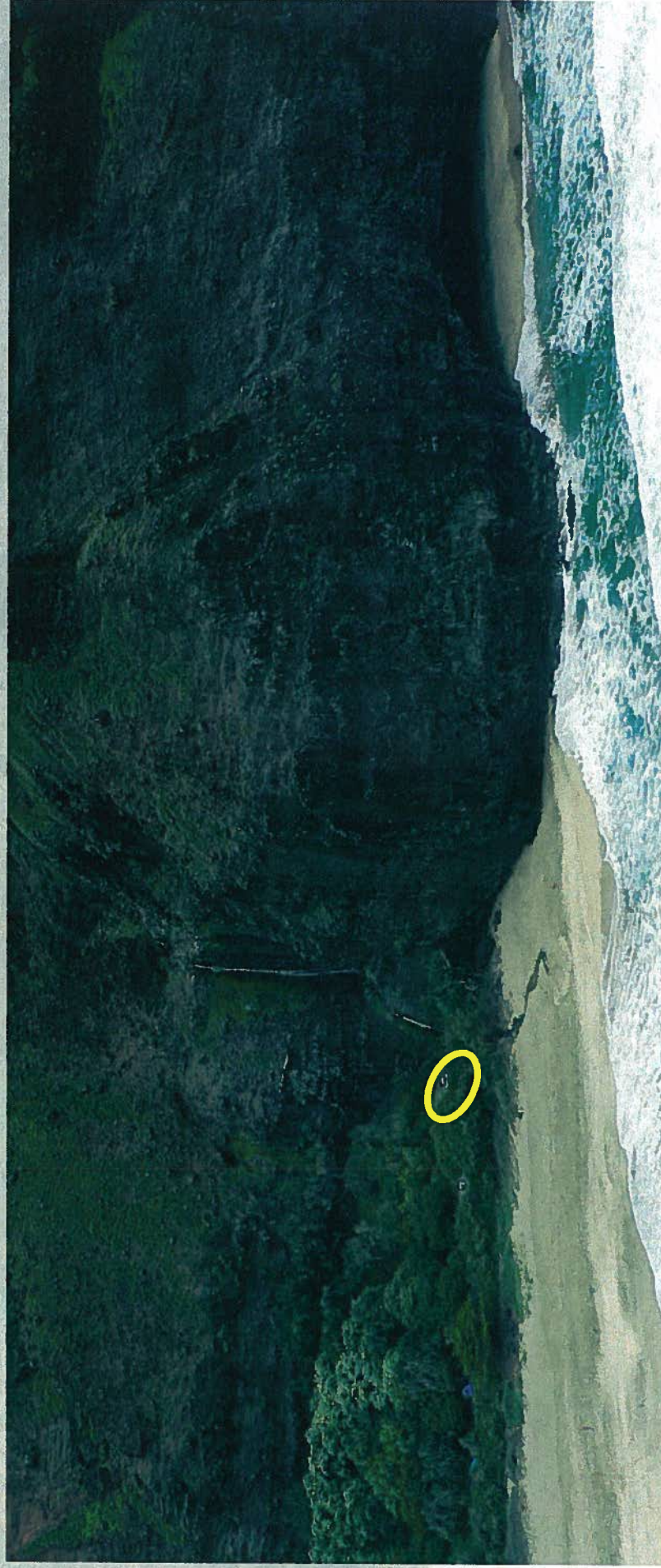




# Cultural Impacts & Avoidance



- Available reports
- Known Historic Sites
- Site visit and investigation







# Known Culturally Significant Sites

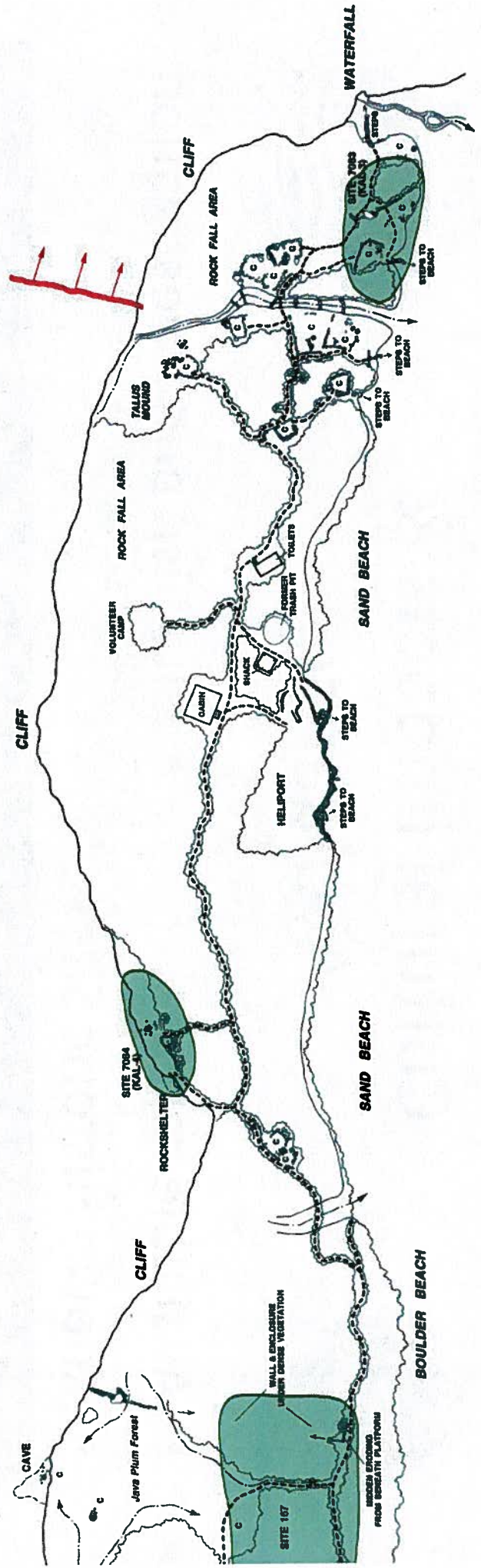
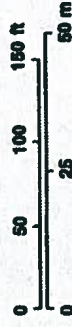


## KALALAU BEACH NĀ PALI COAST STATE PARK May 1996

### LEGEND:

- - - TRAIL
- DENSE VEGETATION
- ▨ ROCK WALL
- - - DRAINAGE
- C CAMPSITE
- ⊙ FIREPIT (MODERN)

MN











# Other Impacts & Avoidance



- Park Closure
  - Lost Revenue
  - Impact on Visitors' Plans
  - Cultural Access
- Visual Impacts
  - Altered character of cliff face
  - Absence of the Blocks
  - Block-2 remnant material on beach
  - Temporary disturbance to vegetation
- Noise
  - Compressor, air tools, generator, helicopter
- Construction Crew
  - Maintain comfort station
  - Trash removal
  - Compliance with Park Rules





# Planning & Regulatory Permitting Process



- **Federal:**
  - Army Corps of Engineers
    - Section 404 of Clean Water Act (CWA): Discharge into waters of US
    - Nationwide 33: Temporary Placement of Fill
  - Endangered Species Act
- **State:**
  - Department of Health Clean Water Branch
    - Section 401 of CWA: Water Quality Certification
    - Section 402 of CWA: NPDES Permit for “construction” site storm water runoff
  - Commission on Water Resources: Stream Channel Alteration Permit
  - State Historic Preservation Division
- Reporting is associated with all permits





# Question & Answers



## **Contacts: State of Hawaii**

Alvin Satogata

Engineering Division

808-587-0271

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